

5 **RECOVERY OF COMMON SALT AND**
 MARINE CHEMICALS FROM BRINE

10 **Abstract of the Invention**

10 A new process for recovery of common salt, potassium chloride,
concentrated magnesium chloride with enriched bromide, and high purity
magnesia from brine in an integrated manner, said process comprises preparation
of calcium chloride by reaction of hydrochloric acid generated in the process with
15 limestone, desulfatation of brine with calcium chloride, production of sodium
chloride of superior quality in solar pans, solar evaporation of bittern thereby
producing carnallite and end bittern, processing carnallite through established
processes to produce potassium chloride, recovering end bittern containing highly
concentrated magnesium chloride and enriched bromide and calcination of a part
20 of the end bittern after solidification to produce high purity magnesia and
hydrochloric acid utilizable in the process.